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TITLE : ALUMINUM ALLOY WITH SUPERIOR WEAR RESISTANCE

ABSTRACT : PURPOSE: To obtain an Al alloy with high wear resistance and satisfactory machinability by adding a specified percentage of Si, Cu, Mg, Ni, Fe and Cr to Al.

CONSTITUTION: An alloy is prepared consisting of, by wt., 13.5~20% Si, 4~5% Cu, 0.3~0.7% Mg, 1.5~2% Ni, >0~1% Fe, 0.4~0.8% Cr and the balance essentially Al. To the alloy may be added about 0.4wt% P in general.

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